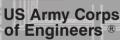
# ENVIRONMENTAL EVALUATION AND MANAGEMENT OF DREDGED MATERIAL FOR BENEFICIAL USE: A REGIONAL MANUAL FOR THE GREAT LAKES

#### "Draft Regional Beneficial Use Testing Manual"

Karen Keil, USACE Buffalo District Great Lakes Dredging Team Annual Meeting Toledo, Ohio 22 May 2018

"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."







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Agency / State	Sections covered by comments	Notes
U.S. EPA	All	Comprehensive review by USEPA, including GLNPO and HQ
GLC	1 and 2	Comments regarding SMCRA, and movement of material between jurisdictions (states / watersheds)
New York	3, 4, 5, Appendix B	NY has well established procedures for permitting upland beneficial use placements of dredged material
Pennsylvania	N/A	Cursory review only; (but no objections raised)
Ohio	1 (General), 4, 5, 6, and Appendices A and B	Comments mainly focused on Section 5 (Aquatic Placement)
Michigan	N/A	Cursory review only; (but no objections raised)
Indiana	5, Appendix B	Minor comments on Section 5; clarification provided on State-specific upland placement procedures
Illinois	5, Appendix B	Minor comments on Section 5; clarification provided on State-specific upland placement procedures
Wisconsin	4, 5	Questions regarding aquatic placement, and risk management
Minnesota	N/A	Cursory review only; (but no objections raised)
Port of Duluth	1 (General)	Comment regarding vegetative invasive species
Kurtz Bros	1 (General)	Comment regarding microcystin toxins in upland placement scenarios

## **COMMENT RESOLUTION APPROACH & REVISION STATUS**

- Compilation of all comments and USACE responses to all sections (except Section 5) distributed to GLDT technical committee May 2017
- Conference calls held in June and November 2017 to discuss comment responses.
- Revisions to Sections 1, 2, 3, 6, 7 drafted
- Revisions to Section 4 and Appendix B on-going
- Responses to Section 5 (and associated revisions) forthcoming this summer



## **SUPPORTING EFFORTS**

- Invasive plant species (comment from Duluth Port Authority)
  - Lorain Harbor enlisting ERDC support to study seedbank characteristics in dredged material
- Microcystin toxins (comment from Kurtz Brothers)
  - Study of microcystin fate and effects in upland beneficial use of dredged material
    - ERDC literature review current state of understanding
    - ERDC research funding applied for FY19, will collaborate with Ohio researchers